Conversion Instructions 84 13 790 for kit/option “NeoFlow”

1 Information

1.1 Intended use

This conversion instructions is applicable for:

- Option NeoFlow 84 13 785
- Kit NeoFlow 84 13 563

These options and conversion kits can be used for the following devices:

Description	P/N	Evita 4	Evita 2 dura	EvitaXL	Evita 4 / 2 dura with option EvitaXL
Option NeoFlow	84 13 785	Yes	Yes	Yes *	Yes *
Kit NeoFlow	84 13 563	Yes	Yes	Yes *	Yes *

* **Approved only if language specific Instructions for Use / Operating Instructions labeled with “Supplement to the Instructions for Use / Operating Instructions of EvitaXL” is available!**

Schutz nach DIN 34 beansprucht.
Use of this document / contents is forbidden without express authority. All rights reserved.
Dräger Medical AG & Co. KGaA, D-23542 Lübeck

1.2 Bill of material of option / kit

1.2.1 Option NeoFlow P/N 84 13 785

- 1 Conversion instructions 84 13 790
- 1 Assembly instructions PCBs 84 15 604
- 2 Countersunk flat head screw 13 43 246
- 1 PCB Pediatric-Flow 83 06 631
- 2 Flow-Sensor (ISO) 84 11 130
- 2 Kit water trap 84 13 125
- 1 Flow sensor cable 84 09 626
- 1 Label NeoFlow 84 13 283
- 2 Fold hose flex 0.13m 84 09 634

1.2.2 Kit NeoFlow P/N 84 13 563:

- 1 Option NeoFlow 84 13 785

- optional 1 Instructions for Use / Operating Instructions depending on device configuration and region:

  For Evita 4 and Evita 2 dura:
  - 1 Instructions for Use NeoFlow de 90 29 556
  - 1 Instructions for Use NeoFlow en 90 29 557

- 1 Instructions for Use NeoFlow fr 90 29 558
- 1 Instructions for Use NeoFlow es 90 29 559
- 1 Instructions for Use NeoFlow nl 90 29 561
- 1 Instructions for Use NeoFlow it 90 29 560
- 1 Instructions for Use NeoFlow sv 90 29 562
- 1 Operating Instructions NeoFlow enUS 90 29 563
- 1 Instruction for Use record 90 37 157

For EvitaXL and Evita 4 / 2 dura with option EvitaXL:
- 1 Instructions for Use NeoFlow EvitaXL de 90 37 566
- 1 Instructions for Use NeoFlow EvitaXL en 90 37 682
- 1 Instructions for Use NeoFlow EvitaXL fr 90 37 719
- 1 Instructions for Use NeoFlow EvitaXL es 90 37 718
- 1 Instructions for Use NeoFlow EvitaXL nl 90 37 721
- 1 Instructions for Use NeoFlow EvitaXL it 90 37 720
- 1 Instructions for Use NeoFlow EvitaXL sv 90 37 722
- 1 Operating Instructions NeoFlow EvitaXL enUS 90 37 683
- 1 Instruction for Use record 90 37 157

1.3 Conversion information

Required software version installed in device for conversion:
- Evita 4: SW 2.20 or higher
- Evita 2 dura: SW 3.10 or higher
- EvitaXL: SW 5.00 or higher
- Evita 4 / 2 dura with OptionXL: SW 5.00 or higher

Schutz nach DIN 34 beansprucht.
Use of this document / contents is forbidden without express authority. All rights reserved.
Dräger Medical AG & Co. KGaA, D-23542 Lübeck

2 Installation and configuration of PCB

Electrostatic discharge may damage electrostatic sensitive devices. Use an antistatic mat and a wrist strap when handling electrostatic sensitive devices.

- Switch off EvitaXL / Evita 4 / Evita 2 dura and disconnect device from mains.
- Create ESD conditions.
- Install Pediatric-Flow PCB (NeoFlow) of the kit / option according to assembly instructions PCBs 84 15 604 in electronics on rear side of device:
  - If PCBs have been installed differently during previous conversions reinstall them according to assembly instructions PCBs 84 15 604.
  - Ensure that PCBs are firmly in place on both sides in the lower groove of PCB slots.
  - Fix PCBs with the two screws 13 43 246 each.
  - Cover free slots with cover plates. Fix cover plates with two screws 13 43 246 each.

3 Test

- Perform electrical safety test according to DrägerService EvitaXL, Evita 4, or Evita 2 dura PMS instructions

- Configuration of NeoFlow function:

  Evita 4:
  - Switch on Evita 4
  - Switch to Standby after finishing self test and confirm
  - Press Configuration key
  - Touch Ventilation key
  - Enter access code 3 0 3 2
  - Touch Patients key
  - Select “Adults, Ped. or Neo.” mode with rotary knob and confirm by pressing rotary knob.
  - Switch off Evita 4

  Evita 2 dura:
  - Not necessary for Evita 2 dura

  EvitaXL, Evita 4 / 2 dura with option EvitaXL:
  - Switch on device
  - Switch to Standby after finishing self test and confirm
  - Press System/Setup key
  - Touch Therapy key
  - Enter access code 3 0 3 2
  - Touch Patient Range key
  - Select “Adults, Pediatric and Neonates” with rotary knob and confirm by pressing rotary knob.
  - Switch off EvitaXL

- Testing NeoFlow
  - Assemble device ready for neo. flow operation including expiratory valve, flow sensor cable, and neo. flow sensor.
  - Switch on device
  - Test: After finishing self test or in standby it is possible to select neonatal patients.
  - Switch device to standby and confirm

- Device check in standby:
  - Perform complete device check
    All tests are OK (passed) including calibration of neo. flow sensor.

- Switch off device

Schutz nach DIN 34 beansprucht.
Use of this document / contents is forbidden without express authority. All rights reserved.
Dräger Medical AG & Co. KGaA, D-23542 Lübeck

4 Labeling of device

- Mark the option NeoFlow (P/N 84 13 563) on the options label (left-hand side of device).

- Evita 4 only:
  Cover printed name **Evita 4** on control unit with label **Evita 4 *Neo Flow*™**.

5 Instructions for Use / Operating Instructions

Enter serial number of device on the back page of additional NeoFlow Instructions for Use / Operating Instructions.
For Evita 4 and Evita 2 dura the following documents are useable:

- Instructions for Use / Operating Instructions NeoFlow labeled with:
  Supplement to the Instructions for Use / Operating Instructions of
  Evita 4
  Evita 2 dura

For EvitaXL and Evita 4 / 2 dura with option EvitaXL the following documents are useable:

- Instructions for Use / Operating Instructions NeoFlow labeled with:
  Supplement to the Instructions for Use / Operating Instructions of
  EvitaXL

6 Inform customer/user

Place EvitaXL, Evita 4, or Evita 2 dura at user's disposal ready for operation.

Schutz nach DIN 34 beansprucht.
Use of this document / contents is forbidden
without express authority. All rights reserved.
Dräger Medical AG & Co. KGaA, D-23542
Lübeck